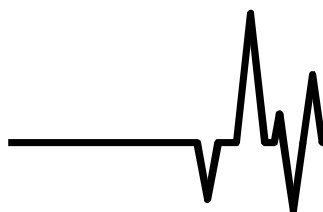
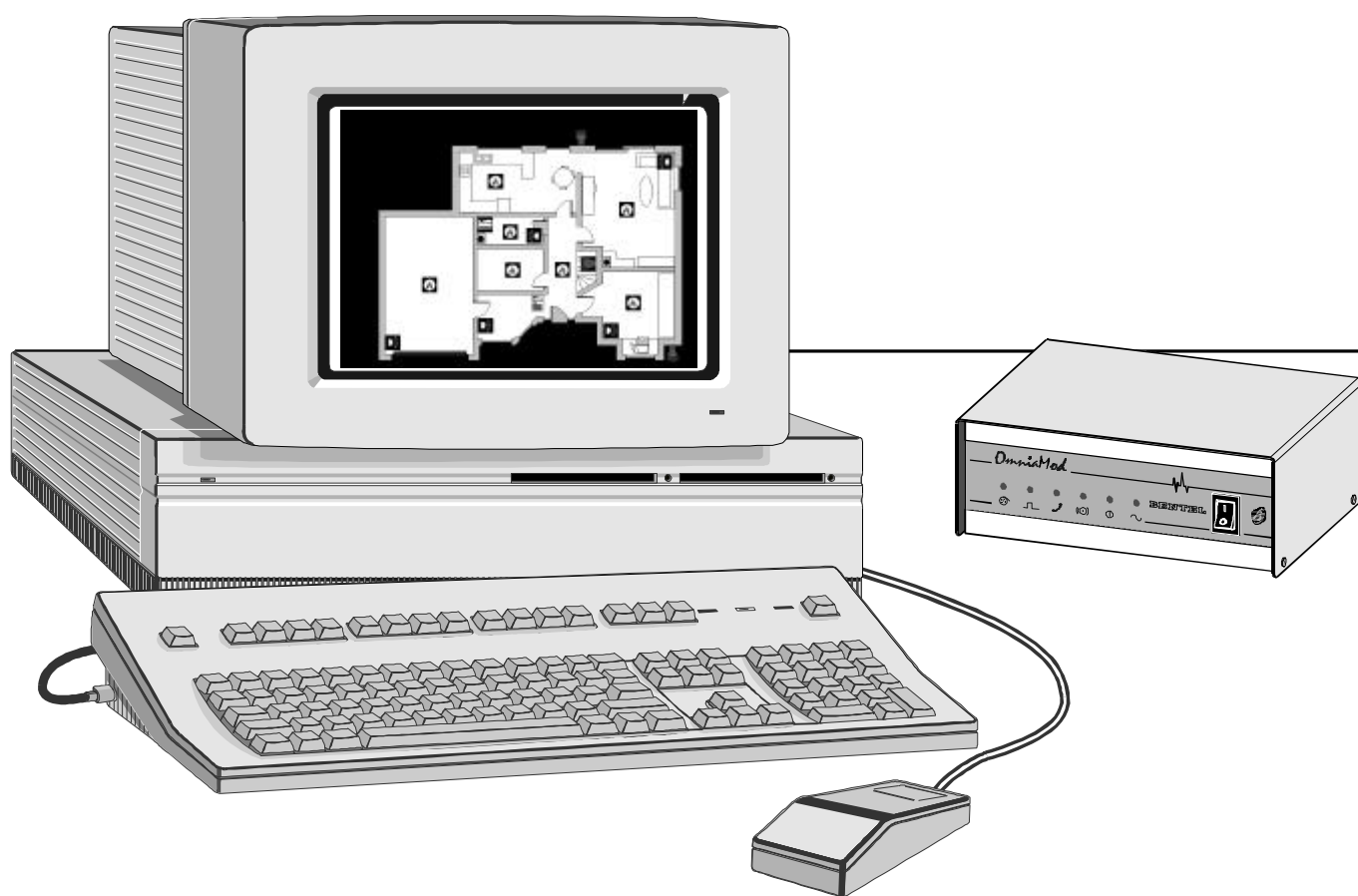


**CENTRAL STATION**



# **OmniaMOD-V2**

*Approved by several P.T. offices*



## **INSTALLATION AND USE MANUAL**



V4.2 BUSSW 0.2 030200



**BENTEL  
SECURITY**



## CONFORMITY DECLARATION

*We certify that the modem*

### **OmniaMOD**

*comply with the guidelines as given in the following standards*

*Emission:*

- **EN 55022/1995 Class B**

*Immunity:*

- **EN 50082-1/1992**  
**IEC 801-2/1991 : 8 kV**  
**IEC 801-3/1984 : 3 V/m**  
**IEC 801-4/1988 : 0.5 kV on signal lines; 1.0 kV on a.c. main lines; 0.5 kV on d.c. main lines**

*Low voltage:*

- **EN 41003:1997**
- **EN 60950:1992 + A1:1993 + A2:1993 + A3:1995 + A4:1996**

*This device is **approved** by Italian "Ministero delle Poste e delle Telecomunicazioni" with approval certificates:*

- **N. IT/97/MD/111**



Grottammare (AP)  
07/01/1998

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via Florida - Z.I. Valtésino - 63013 GROTTAMMARE (AP) - ITALY  
Installation and use manual: Central Station **OmniaMOD-V2**

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**ATTENTION** This manual describes the use of the OmniaMOD-V2 in security systems, however, it is possible to use it for the remote control, via telephone, of all types of systems that can transmit data with the ADEMCO protocol (for example, the Bentel MD-COM digital communicator).

The **OmniaMOD-V2** Central Station is a main control unit which receives information, via telephone, from remote security-systems. OmniaMod-V2 consists of:

- MS-DOS personal computer (not supplied);
- from 1 to 4 **OmniaMOD-V2** modems (one modem supplied);
- **Central Station** and **Import Data** programs;
- up to two printers (not supplied).

The Central Station permits:

- reception of coded events from remote security systems;
- identification of the type of event and location, by means of the client database stored in the computer;
- graphic presentation - map of the city;
- graphic presentation of the event on the map, shown by the flashing of the icon assigned to the client;
- full archiving on the hard disk, of all events and operator actions;
- sequential printing of all events;
- event analysis according to selected filters;
- archive printout according to selected filters;
- multilayer password access;
- event reception even when the operator is not logged in;
- the possibility to control up to 4 telephone lines (with 4 OmniaMOD-V2 modems and a PC with 4 serial ports);
- event reception from different types of control panels (Bentel, DSC, etc.);
- online help.



## General description

---

The OmniaMOD-V2 central station receives events from remote security systems. A remote security system consists of a control panel with built-in digital communicator. Data from the control panel is sent via telephone to the OmniaMOD-V2 modem, which then sends it to the computer. Event data that is received by the modem is interpreted by the Central Station software, according to the client data:

- client address;
- telephone number;
- system pictures and ground plans;
- sensor position on the premises;
- diagram of arm/disarm times of the remote security system.

Each event which occurs in the remote system causes the communicator to send coded data to the OmniaMOD-V2. When the event is acknowledged, it is displayed on the monitor (and also printed on the printer) according to its priority. Events are classified in three groups:

- **alarms** (an event is acknowledged by an acoustic signal and flashing of the message in the active window);
- **warnings** (also generate the acoustic signal and message in the active window);
- **messages** give the rest of the information which tells the operator of the status of the remote systems, and of the Central Station itself (arm/disarm, test communications, operator change-over, ...).

When an alarm or warning occurs, the operator, according to instructions, scans the system information and pictures, then takes the necessary actions to eliminate the cause of the event (calls the fire brigade, sends a security team to the system location, sends maintenance service to the system location).

## ■ System requirements and description

---

### **Computer**

- CPU i80486 or higher.
- 4Mb of RAM.
- At least 10 Mb free on the hard disk.
- MS-DOS 3.3 or higher
- Printer.

**Telephone lines** Public telephone network or local telephone network with equivalent characteristics.

**Modem** BENTEL OmniaMOD-V2.

**remote security system** Built-in communicator with the capability of sending data in ADEMCO protocol 10 baud in required data format 3+1, 3+2, 4+1, 4+2.



**ATTENTION** For proper interaction with the Central Station, the Modem must be programmed according to the instructions in the "Modems Setup" paragraph.  
The OmniaMOD-V2 modem can perform teleservice (programming, control, status change, receive test calls) from the BENTEL Omnia and NormaCom (for further details see the respective manuals).

## General features

---

- Communication protocols: ADEMCO 10 baud in format 3+1, 3+2, 4+1, 4+2.
- 256 event memory.
- RS232 Serial Port.
- Power supply:  
external power supply adapter, input 230 V $\sim$  50 Hz, output 18 V $\sim$  150 mA.
- Housing for 12 V 1.2 Ah max. battery.
- Dimensions W x D x H: 176 x 131 x 65 mm.

## General description

---

The OmniaMOD-V2 is designed for telecontrol (the control of security systems via telephone). In fact, as well as recognizing the ADEMCO protocol, it houses a 12 V 1.2 Ah max. battery (not supplied), that guarantees functioning during blackout. The OmniaMOD-V2 event memory (up to 256 events) avoids data loss during communication problems with the control program (for example, when the program is not running or is busy communicating with another modem or when the PC is not operating, due to blackout).

- + When the modem is receiving an incoming call from a security system, it cannot answer calls coming from other systems, due to the engaged status of the telephone line. Therefore, avoid making several calls at the same time (it is advisable to program different times for security system *test calls*) or program a higher number of call attempts or send calls to several telephone numbers.

In order to have these possibilities the Central Station must have several telephone lines, each of which connected to an OmniaMOD-V2 modem. Each modem must be connected to a serial port of the PC. This is possible with the Central Station program, which can manage up to 4 modems.



## Part identification

The numbers in boldface in the manual, if not stated otherwise, refer to the parts indicated in the diagram on page 9. The parts are described in the following table.

PARTS	DESCRIPTION
<b>1</b>	Screws (4).
<b>2</b>	ON/OFF switch.
<b>3</b>	Battery connectors.
<b>4</b>	Jack plug for external power supply.
<b>5</b>	Connector for the PC serial port.
<b>6</b>	Connector for the telephone line.
<b>7</b>	Connector for line-sharing devices (telephone, fax, etc.).
<b>8</b>	Serial cable for modem connection to the PC.
<b>9</b>	External power supply adapter.
<b>10</b>	Battery housing for 12 V 1.2 Ah max. (battery not supplied).

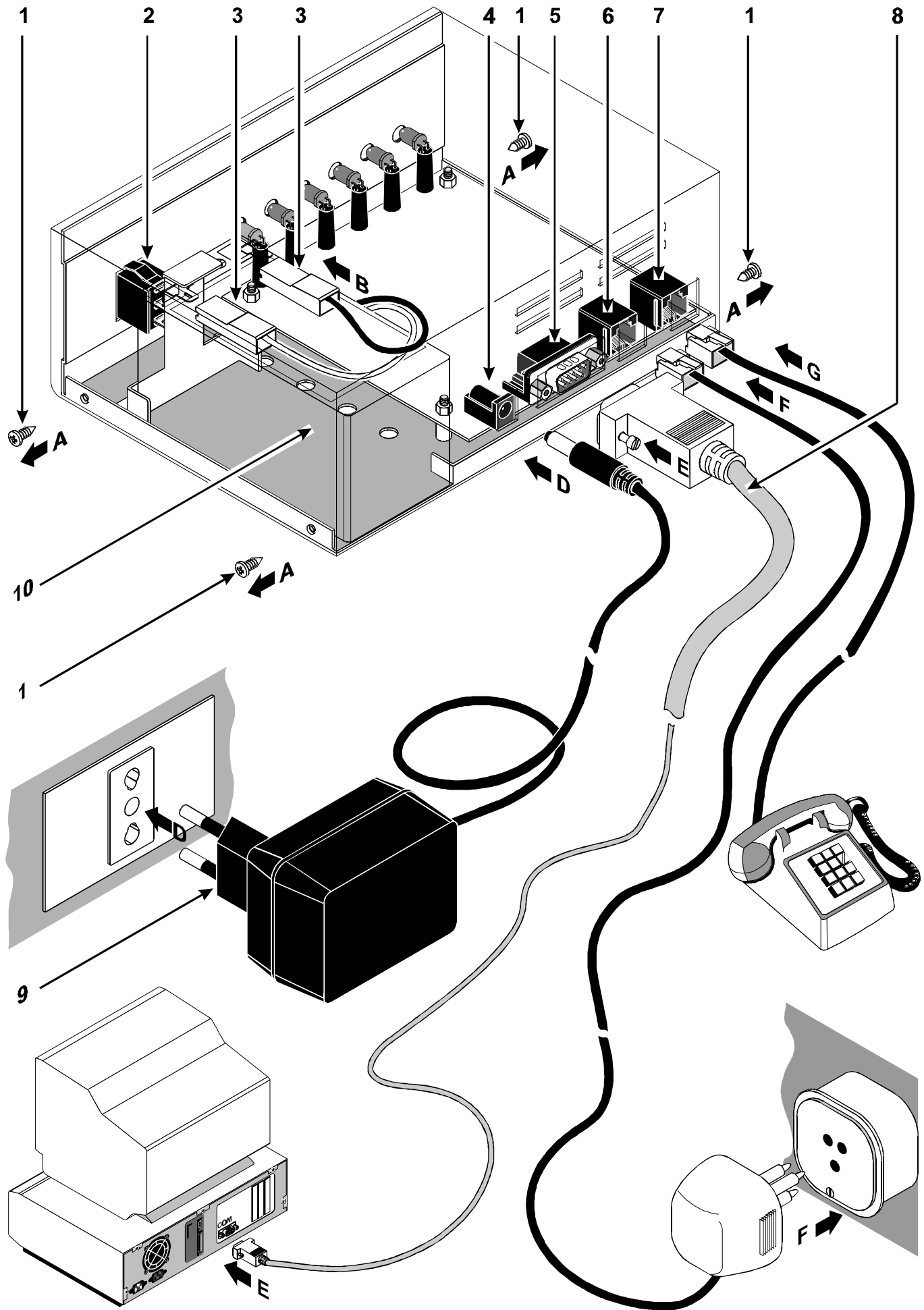
## Installation

For proper installation of the modem, see the diagram on the opposite page and follow the instructions below.

- A** Remove the screws **1** and cover from the modem.
- B** Check that switch **2** is on "0" (modem OFF), put the 12 V 1.2 Ah battery (not supplied) in position **10** and connect it to the connectors **3** **taking care not to invert the polarity**.
- C** Close the modem.
- D** Connect the external power adapter **9** to the modem connector **4** and a power socket (230 V ~ 50 Hz), the ~ LED lights.
- E** Connect the modem connector **5** to a serial port on the PC by means of the serial cable **8**.
- + The serial port used for connection to the modem must be specified in the Central Station program (see "Modems Setup").
- F** Connect the modem connector **6** to the telephone line.
- + The modem must be connected to the telephone line, before any other line-sharing devices.
- G** Connect any line-sharing devices to the modem connector **7**.
- + When the modem engages the line, all the devices connected to the line are bypassed.













**Figure 1** *Parts identification and installation of the OmniaMOD-V2 modem.*

## LED description

The following table shows the meaning of the LEDs on the front of the modem. The normal condition is shown first (in boldface), followed by the meaning of status change.

LED	DESCRIPTION
	<b>Normally OFF.</b> When ON, it indicates that there is at least one event in the logger.
	<b>Normally OFF.</b> This LED goes ON during data transfer between the modem, and the panel that is connected via telephone.
	<b>Normally OFF.</b> When ON, indicates that the modem has engaged the telephone line, bypassing all other line-sharing devices.
	<b>Normally OFF.</b> This LED goes ON with the first ring of the incoming call.
	<b>Normally ON.</b> When OFF, it indicates that the modem is OFF.
	<b>Normally ON.</b> When OFF, it indicates external power failure.



# CENTRAL STATION program

**ATTENTION** Microsoft Windows™ is a registered trade mark belonging to the Microsoft Corp.; in this manual the use of the word "Windows" is intended as Windows environment 3.1 or higher, whilst DOS is intended as MS-DOS 3.3 operative system or higher.

The OmniaMOD-V2 management package for the Central Station has 2 programs.

**Central Station** This is the main program. It is a DOS program that runs in both Windows and DOS. The Central Station program interprets and displays the data received from the OmniaMOD-V2 modem according to the information programmed by the Central Station operator.

**Import data** This is an accessory program which runs exclusively in Windows environment. The Import Data program permits data importation to the Central Station program. For the description of this program see the respective paragraph.

This chapter describes the installation package and Central Station program functioning. For the description of the Import Data program, see the Import Data chapter.

## Software installation

---

The Central Station program runs in both Windows and DOS, whilst, the Import Data program runs exclusively in Windows. For this reason, two installation programs are provided, and are described in the following paragraphs.

**Install.exe** This program runs in Windows environment only, and installs both programs.

- Open Windows and insert the installation disk n.1 in drive A.
- Run the Install. exe program and follow the instructions carefully.

**Dosinst.bat** Can be run in DOS environment and installs **only** the Central Station program.

- Insert the installation disk n.1 in drive 3"1/2 and enter:  
C: \> A: \Dosi nst.

Press [Enter] and follow the instructions on the screen.

Both installation programs create a directory for package function (the default setting is \BENTELCS and may be modified with Install.exe but not with Dosinst.bat) and the appropriate sub directory:



\BENTELCS\CUST	<b>Customer data.</b>
\BENTELCS\EVENTS	<b>Event database.</b>
\BENTELCS\IMAGE	<b>Graphics (ground plans and icons).</b>
\BENTELCS\MAP	<b>Maps.</b>
\BENTELCS\LINK	<b>Time links.</b>
\BENTELCS\SETUP	<b>Setup of the software.</b>
\BENTELCS\SYSTEM	<b>System setup (language, etc.).</b>

The Dosinst.bat program also creates the **Bcs.bat** file batch on the main directory of the hard disk (C:\). The Bcs.bat file allows the Central Station program to run in DOS environment.

The Install.exe creates the IMPDATA directory containing the files for the Import Data program.

## Program startup

---

**DOS** For Central Station program startup in DOS, enter BCS on the command line then press [Enter]:

```
C: \> BCS␣
```

- + Before operating in the Central Station program, a **Password** is requested. The default password is **code01** (it is important to enter small letters only as the program differentiates small letters from capital letters). For further information on passwords and modifications see the "Operator Data" paragraph.

## Quit Program

---

To quit the Central Station program, press the [Esc] key to close each window and then press [Alt] + [F4].

- + If there are any active or parked messages the program requests their termination.



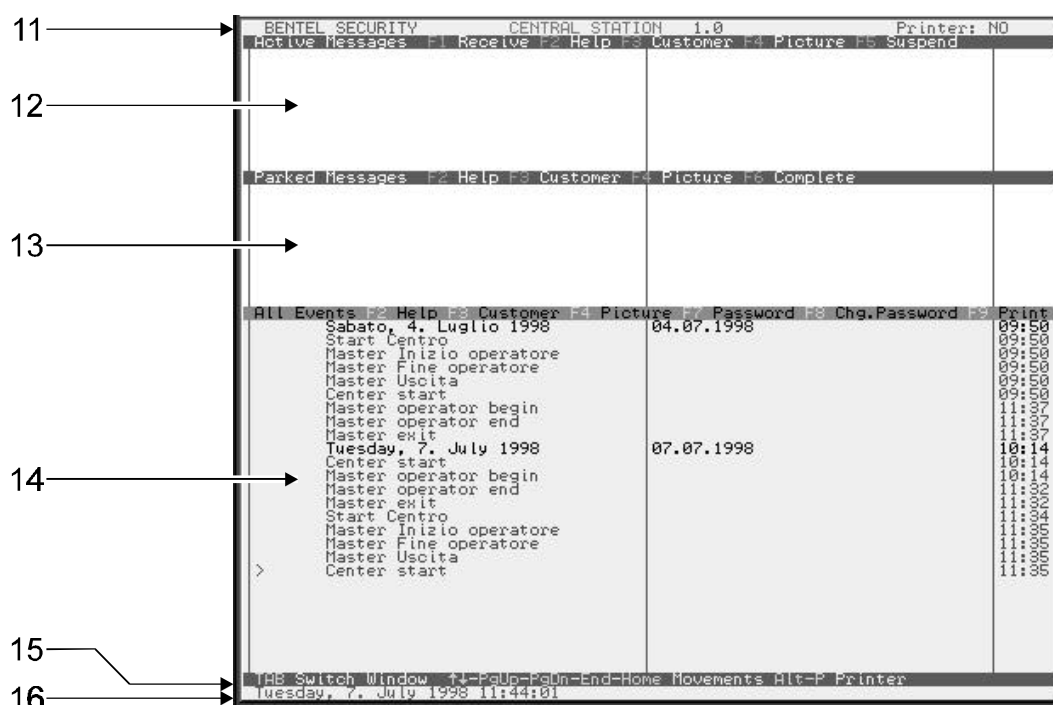
## Central Station working principle

The remote security systems sends events which are interpreted on three different levels according to the programmed definitions:

- alarm;
- warning;
- message.

The main screen (see fig. 2) is divided as follows:

- 12 Active Messages;
- 13 Parked Messages;
- 14 All Events.
- 11 The top row of the screen reads: BENTEL SECURITY, CENTRAL STATION, the release, status of the on-line printer (PRINTER: YES/NO).
- 15 This is the help line and indicates the keys and their effects.
- 16 This shows the day, date, hour and error messages.



**Figure 2** Parts of the main screen.



- + The date and hour indicated in the bottom row are those on the PC. These are used for logging the time and date of received messages. Check that they are correct, especially when changing from standard time to summer time and vice versa.

The appropriate message for all alarm types is shown in "Active message" window. To access the "Active Message" window press the [TAB] key, the event message is acknowledged by pressing [F1]. For the respective customer information press keys [F2], [F3], [Alt]+[F3], [F4]. The event may require intervention, and it may also be necessary to contact the appropriate service (fire brigade, police, installer). After which, the message must be put in "Parked Messages" window by pressing [F5]. When the required intervention is confirmed, the operation is concluded by pressing [F6]. The event is then logged in the "All Events" window.

- + From any window, it is possible to have all the event information by pressing [F2], [F3], [Alt]+[F3], [F4].

### ■ **Event printout**

---

Each event may be printed in real time (this is recommended). This option may be preset in the "Printers" window and may be switched ON and OFF manually by pressing [Alt]+[P]: the printer status is displayed in the top row of the screen.

## **Settings**

---

All settings are carried out by means of the commands on the "Settings" menu. Access to this menu is achieved from the main screen by pressing [F10]. The menu shows:

- Customer Data;
  - Operator Data;
  - Printers;
  - Colours;
  - Central Station.
- + The operator may select only the authorized commands on the "Settings" menu (see "Operator Data"). If the operator selects an unauthorized command it is signalled by an acoustic signal and the message "Action not allowed!".



## Customer Data

---

On selecting this command a list of the customers appears:

- in order **to modify** the customer setting select the respective name on the list;
- **to add** a new customer to the list press the [Ins] key;
- **to copy** a customer highlight the name on the list and press [Alt]+[I];
- **to delete** a customer highlight the name on the list and press [Canc].

By selecting a customer or by adding a new or duplicated customer, a window is opened where it is possible to specify the assigned customer code (see **Cust. Code**), the personal details of the customer (see **Customer, Address, City, Cont. Person, Telephone** and **Description**), and other relevant details described in the following paragraphs.

- + - Each customer must have a **unique** identifier code. This code is assigned by the Central Station and **must start with the letter "P"** (e.g. P0001).
  - The first three digits of a four-number code must be different to those of any existing three-number code (e.g. it is not possible to define a customer code as P1234, if the three-number customer code P123 exists).

### ■ Events

---

To add or modify events select [Events]:

- **to add** a new event press the [Ins] key;
- **to copy** an existing event press [Alt]+[I].

**The event code must be changed**, after which it is possible to modify the other data.

**Event Code** A code that is compatible with that of the remote system event.

**Event** Event description.

**Group** This option classifies the event for the report printout.

**Type** Event type (Message, Alarm, Warning, Test, Link On, Link Off).

**Picture** Links the picture (ground plan) to the event. To add the picture press [Enter] and select the bitmap file. Press [Esc] to quit menu.

**Description** Additional information.

**Icons** Once the picture is set, the icons can be added. By pressing the [TAB] key select the "Icons" window. Press [Ins] to add new icon, and select it from the file list. Press [Enter] for the picture or ground plan of the building. Move the icon to the corresponding position using cursor keys and the [R] key to rotate the icon. To confirm and exit press the [Esc] key.



## ■ **New pictures**

---

Some demonstrative pictures are provided with the OmniaMOD-V2 package. It is possible to create the pictures required by means of a graphics program (e.g. Paintbrush™, CorelDRAW!™, AutoCAD™, etc.).

- + The recognizable formats are BMP 640 x 480 x 16 colours or 800 x 600 x 16 colours on the **IMAGE** directory of the package installation directory (the default is \BENTELCS).

## ■ **New icons**

---

Numerous icons are supplied with the OmniaMOD-V2 package. It is possible to create new icons by means of a specific program (e.g. Microangelo™).

- + The recognizable format is .ICO 36 x 36 x 16 colour in the **IMAGE** directory of the package installation directory.

## ■ **Time link**

---

By selecting [Time link] a window opens where it is possible to indicate the scheduled Arm/Disarm (**On/Off**) times, of the remote system, for each day of the week.

In this way the Central Station displays the programmed message when the scheduled times are not followed.

- + In order to use this function "Link On" or "Link Off" event types must be programmed.

**On** In this field indicate the day of the week and hour **within** which the Central Station **must** receive the "Link On" event.

**OFF** In this field indicate the day of the week and time **after** which the Central Station is to **accept** the "Link Off" event.

**Message** If the Central Station **DOES NOT RECEIVE** the "Link On" event **within the set hour** or **receives the "Link Off" event before the set hour**, the programmed message is displayed.

- + The remote monitoring of system status starts after the Central Station receives the "Link On" or "Link Off" event.

If a Link irregularity is detected on a remote system, it is signalled on the Central Station, which then awaits an authorized "Link On" or "Link Off" event before restoring supervision.

**To set** the scheduled "Link On" and "Link Off" times, press the [Ins] key. Use keys [←] and [→] to highlight the required field and set by means of [+] and [-], the operation is confirmed and quit by pressing [Esc].

**To modify** programmed times, use keys [↑] and [↓] to highlight the row, select by means of the [←] key.

**To delete** the scheduled times, highlight the row and then press the [Canc] key.





- + During the course of a day "Link On" and "Link Off" **must not** occur at the exact same time, as the program reads this as an error. Exit from the window is not permitted and the message <<Time zones overlap!>> is displayed.

**Example** If the security system must be armed from Monday through Friday from 19.00 to 07.00 of the following day, Saturday from 13.00 to 07.00 of the following Monday, the "Time link" window should read in the following way:

<b>Time link</b>	
<b>On:</b> <i>Mon. 19:00</i>	<b>Off:</b> <i>Tue. 07:00</i>
<i>Tue. 19:00</i>	<i>Wed. 07:00</i>
<i>Wed. 19:00</i>	<i>Thu. 07:00</i>
<i>Thu. 19:00</i>	<i>Fri. 07:00</i>
<i>Fri. 19:00</i>	<i>Sat. 07:00</i>
<i>Sat. 13:00</i>	<i>Mon. 07:00</i>
<b>Message:</b> <i>Time link error</i>	

This means that the Central Station displays the message <<Time link error>> for example when it does not receive the "Link On" event before 19.00 on Monday or even when it receives the "Link Off" event before 07.00 on Tuesday. If the "Link Off" event is received before 19.00 on Tuesday the Central Station does not consider this as error. After this hour a new interval starts and from 19.00 through 07.00 of the following day the security system should be linked on, therefore Link Off is considered as an error.

### ■ **Test**

---

By selecting [Test] a window opens where it is possible to specify the pause necessary between two *test events*, starting from the moment when the program receives the first

- + The program considers test events, those events assigned to Test Type.

### ■ **Map**

---

By selecting [Map] a window opens where it is possible to select a map for the customer, the customer's position on the map can be indicated by an icon.

**Map** Select the **Map** field and the appropriate map from the menu displayed. Use the cursor keys to move the map (quicken the procedure by keeping the [Ctrl] key pressed and zoom-in and zoom-out on parts by pressing keys [+] and [-] respectively).



- + It is advisable to enlarge the map, and manoeuvre it in order to position the customer icon.

When the screen shows the installation zone with the required enlargement, press [Esc] to quit and save.

**Icon** To position an icon, that represents a remote security system, select the **Icon** field and the icon from the menu displayed: this will be appear on the map selected previously. Use the cursor keys to move the icon to the exact position of the remote security system on the map (quicken the procedure by keeping the [Ctrl] key pressed and rotate the icon in steps of 90° by means of the [R] key). When the icon is in the required position press the [Esc] key to quit and save.

**New maps** As each map occupies a considerable amount of space (several Mb), only the map of Milan is provided with the OmniaMOD-V2 packet.

Maps are created in the following way.

- Carry out the map scanning, with a resolution of at least **150 dpi** (dots per inch) with **16 colours** (without ditchering).
- Save the file in .BMP format.
- Use the **BMP2CBM.EXE** program to export the BMP file in the format recognized by the Central Station (.CBM):

```
BMP2CBM <file .BMP source> <file .CBM destination>.
```

- + The BMP2CBM.EXE program is on the package installation directory, whereas, **the .CBM file must be put on the \MAP** of the package installation directory.

For example, if the package has been installed on the \BENTELCS directory (default) and the MILANO.BMP file (result of the scanning of the map of Milan) has been saved on the main directory (C:\), the previous command line reads:

```
C: \> BENTELCS\BMP2CBM MI LANO. BMP \BENTELCS\MAP\MI LANO. CBM.
```

- + The .BMP file can be cleared after it has been exported to the .CBM file, in order to create space on the hard disk.

**New Icons** One demonstrative icon is provided with the OmniaMOD-V2 package. It is possible to create new icons with a specific program (e.g. Microangelo™).

New icons must be saved in formats .ICO 36 x 36 x 16 colours on the **\MAP** directory of the package installation directory.

## Operator Data

---

OmniaMOD-V2 has a multilevel password structure. Administrators have full access and can authorize the access level of the operators. One or two administrator levels are advised (the new installation has only the administrator level) in order to avoid system breakdowns or major data loss, due to inappropriate actions made by the operators. Fill in the operator data and authorized actions in this menu. At the end of the operation, it is necessary to enter the password (twice).

- + The program differentiates small and capital letters.

## Printers

---

The Control Station can manage two printers (in which case two LPT ports are required). Set the Log Printer first.

**Printer Port** Indicate the parallel port to which the printer for real-time printouts is connected (generally LPT1).

**Lines per Page** 72 for normal A4 page.

**Symbol Set PC-8** Select "NO" (select "YES" for Slovenia only).

**Log Printer On** Select "YES" to switch automatically to the real-time printer on program startup.

**Stop while Printing Rep.** Select "YES" if the real-time printout is to stop in order to printout the report.

**Header Text** Text which is added in the header of the log printouts.

In next window set the Report Printer. In the case of only one printer also set **Printer Port** to LPT1. In the case of two printers set **Printer Port** to LPT2.

## Colours

---

In this menu it is possible to select and set the colours for each type of event and menu text.

## Central Station

---

By selecting the "Central Station" command the following windows appear.



## ■ Modems Setup

---

The Central Station can manage up to four OmniaMOD-V2 modems. The following settings must be defined in the "Modems Setup" window, for each OmniaMOD-V2 modem that is connected to the PC.

**I/O** This is the serial port address to which the modem is connected:

COM1 = 3F8;  
COM2 = 2F8;  
COM3 = 3E8;  
COM4 = 2E8.

**BR** This is the Baud Rate admitted by the modem:  
**set 9600.**

**Test** By selecting this field, the communication between the computer and the respective modem is checked. If the modem is functioning properly the **Test** field displays **OK**. In which case the modem description appears, and the **Settings** command for the following parameters.

**Buzzer active** Selects whether the modem buzzer must or must not signal the data exchange.

**Number of Rings** Sets the number of rings that the modem must allow before answering a call. If the modem is connected to a dedicated telephone line, set 1.

**Polling time  
<min>** Sets the interval (minutes) that must elapse between readings of the modem memory. When the modem is unable to communicate with the Central Station program, the data is stored in the modem memory. If OFF is set the modem memory is read each time it receives a call or on Central Station startup.

## ■ Global Setup

---

**Event Window  
(days)** Sets the number of days after which an event is no longer directly accessible to the operator via the "All Events" window.

**Max. Number of  
Events** Sets the maximum number of events which can be directly accessed by the operator in the "All Events" window.

+ Old events can be printed by requesting Printing Reports.

**Language** English, Slovenian, Bosnian, Russian or Italian.

**Load font** *Reserved.*

**8-bit character  
set** *Reserved.*



## Printing reports

---

All events can be displayed on the screen (print preview) or printed as a report. From the "All Events" window press [F9] to select this option. It is possible to select events in accordance with the following filters:

**Start Date** All messages received after this date will be printed.

**End Date** All the messages received before this date will be printed.

**Operator** Prints all the messages received by the Operator selected.

By selecting **Messages**, it is possible to specify the following filters.

**All** Prints all the messages received by the operator indicated in the **Operator** field, from the date specified in the **Start Date** field to the date in the **End Date** field (start and end date included).

**Events** Selects which event messages are to be printed.

- **Customers:** prints only the event messages relevant to the Customer selected.
- **Groups:** prints only the event messages relevant to the Group selected.
- **Messages, Alarms, Warnings, Test, Link:** prints only the event messages relevant to the Types selected.
- **Test warnings:** prints only the messages relevant to the failure of the Test event (see ""Test").
- **Link warnings:** prints only the messages relevant to the Security System status errors.
- **Receive, ...:** prints only the messages relevant to the Received, Parked and Terminated events.

**Printer** Selects which messages relevant to the printer status are to be printed:

**Begin:** prints only the messages relevant to the start of the printouts;

**End:** prints only the messages relevant to the end of the printouts;

**Errors:** prints only the messages relevant to printout errors.

**Errors** Selects which error messages are to be printed:

**Communication:** prints only the messages relevant to communication errors;

**Customers:** prints only the messages relevant to customer errors;

**Printers:** prints only messages relevant to printer errors.



**Operations** Selects which operation messages are to be printed:

**Central:** prints only messages relevant to the operations performed on the Central Station;

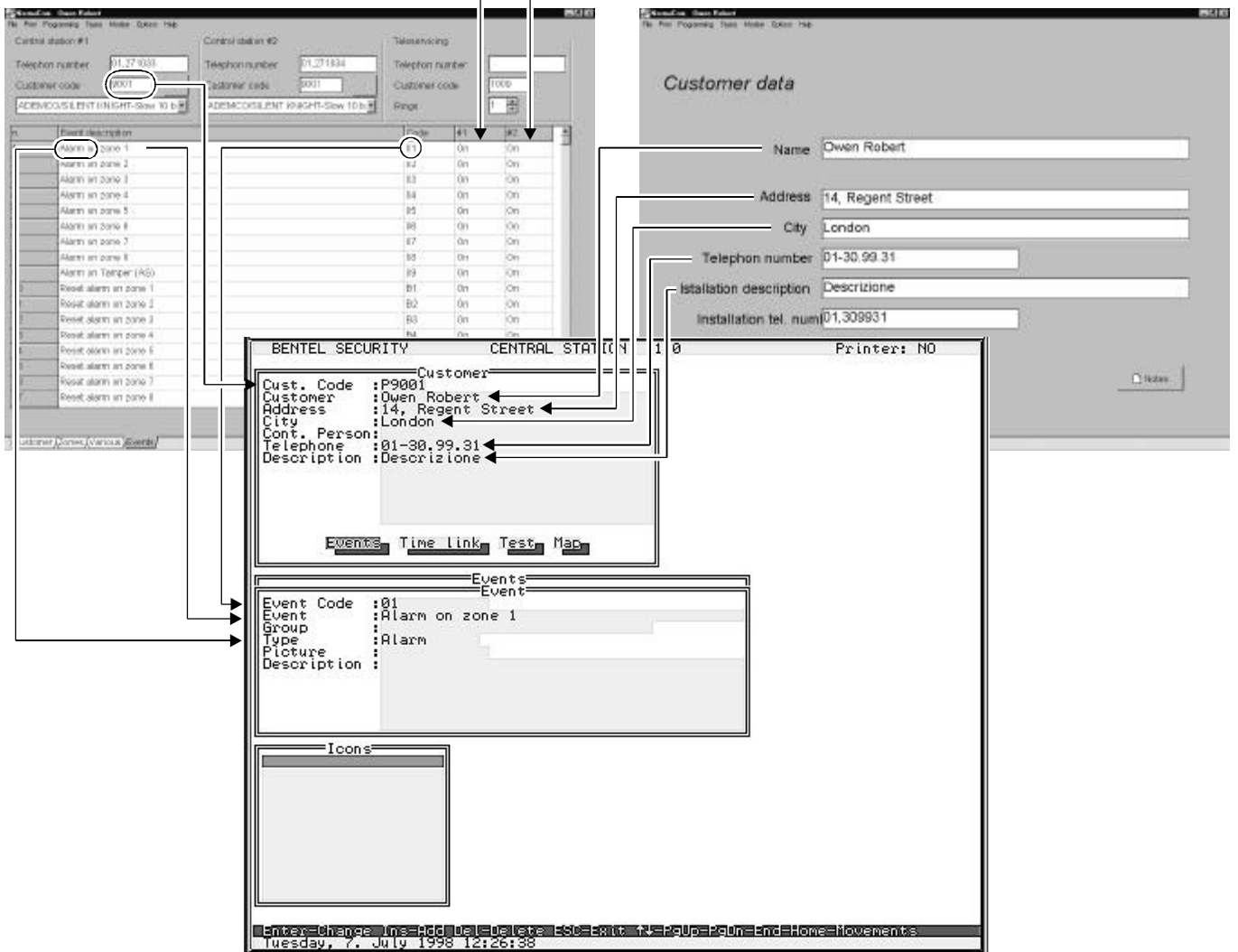
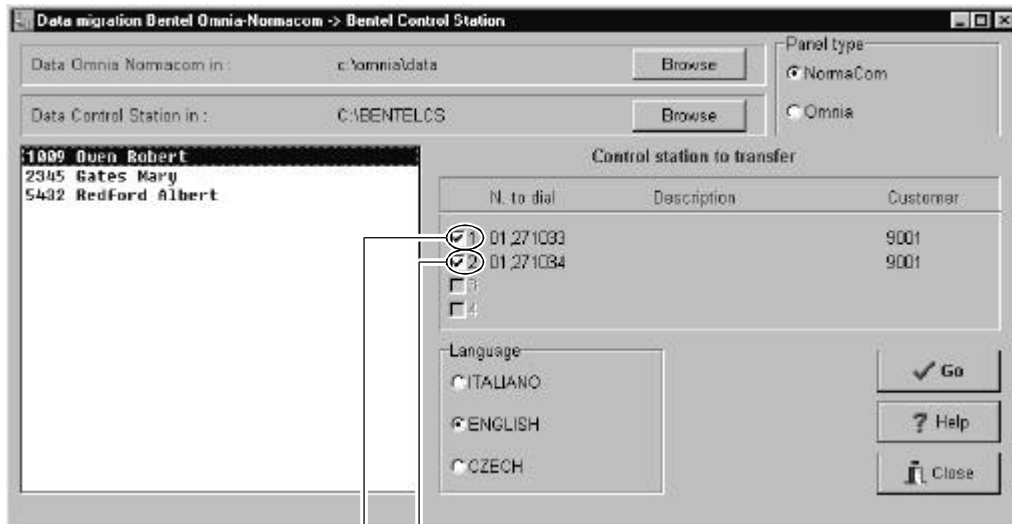
**Operator:** prints only messages relevant to the operations performed by the operator selected (see "Operator").

**Log:** prints only messages relevant to log-in/log-out operations.



- ◇ **Access to settings menu commands denied.**  
*Access denied or wrong password.*
- ◇ **Time-saving customer copying.**  
*Select customer with similar data and press [Alt]+[I]. A new window opens containing the customer selected. **Change customer code and data.***
- ◇ **Time-saving event copying.**  
*Select the event and press [Alt]+[I]. A new window opens, where it is possible to modify the data (The event code **MUST** be **CHANGED**).*
- ◇ **How to display the ground plan of the Security System.**  
*First define the picture of the ground plan in the **Customer settings** menu, then attach the picture to the event. It is possible for the operator to view this picture by selecting the event and pressing [F4].*
- ◇ **Drawing a picture of a ground plan.**  
*It is not possible to draw a picture in the Central Station. Export the ground plan picture to the 640x480x16 or 800x600x16 .BMP graphics format or draw it by means of Windows Paintbrush or a similar graphics program. After finishing the drawing save the picture in the appropriate .BMP format and copy it to the \BENTELCS\IMAGE directory.*
- ◇ **How to obtain the city map.**  
*Define the Map in the Customer settings menu and assign it to the customer, select the customer event and press [Alt]+[F3].*
- ◇ **The Program does not recognize the password.**  
*Enter the password correctly, check the CapsLock LED (capital letter or small letter) or call the administrator.*
- ◇ **The Modem receives the event but the software does not (🔴 LED illuminated).**  
*This usually occurs on Central Station startup, at the moment of an incoming event. The event will be transferred when the modem receives another event or when the programmed **Polling time** expires (see "Modems Settings"). The event can be forced to transfer by quitting and restarting the Central Station or by selecting the **Test** field in the "Modems Settings" window.*





**Figure 3** Working diagram for Import Data with NormaCom customer.





# IMPORT DATA program

This program is installed together with the Central Station program. It is extremely useful as it imports the relevant Omnia or NormaCom customer data without requiring manual copying.

To import the relevant Omnia or NormaCom customer data, startup Import Data and proceed as follows.

- Select the source and destination of the data.

In the **Data Omnia NormaCom in** field, specify the **DATA** folder present on the working folder of the **Bentel Omnia-NormaCom** group programs: the program displays C:\BENTEL\DATA, in order to select another folder click on [Browse].
- In the **Central Station Data in** field, it is necessary to specify the working folder of the **Bentel Central Station** group: the program displays C:\BENTELCS; to select another folder click on [Browse].
- In the **Panel type** field, indicate the type of panel (NormaCom or Omnia), of the customer.

If the origin of the data is correct, the program will display the list of customers with this type of control panel.
- Select the customer to import: the program will display the Central Stations that the control panel is programmed to call (see the **Central Station to transfer** table).
- Select the Central Station source and then click on [Go].
- + If an attempt to import an existing customer is made, the program displays an error message <<Client already exists in the Bentel Central Station>>. 

Import Data will create a new customer in the Central Station, with a code starting with the letter "P", followed by the Customer Code programmed in Omnia or NormaCom and will also import the following information:
- personal details of the customer selected (see **Name, Address, Telephone Number, Installation Description** fields of the "Customer" sheet);
- data relevant to the Pulse communicator Actions that activate the calls to Central Stations selected (the **Event code** and **Description** of the Action become respectively the **Event Code** and **Event** in the Central Station, the **Description** of the events that activate the Action become the event **Description** in the Central Station).
- + If the action of the Pulse communicator is not activated by any event, Import Data will not create any event for it. 

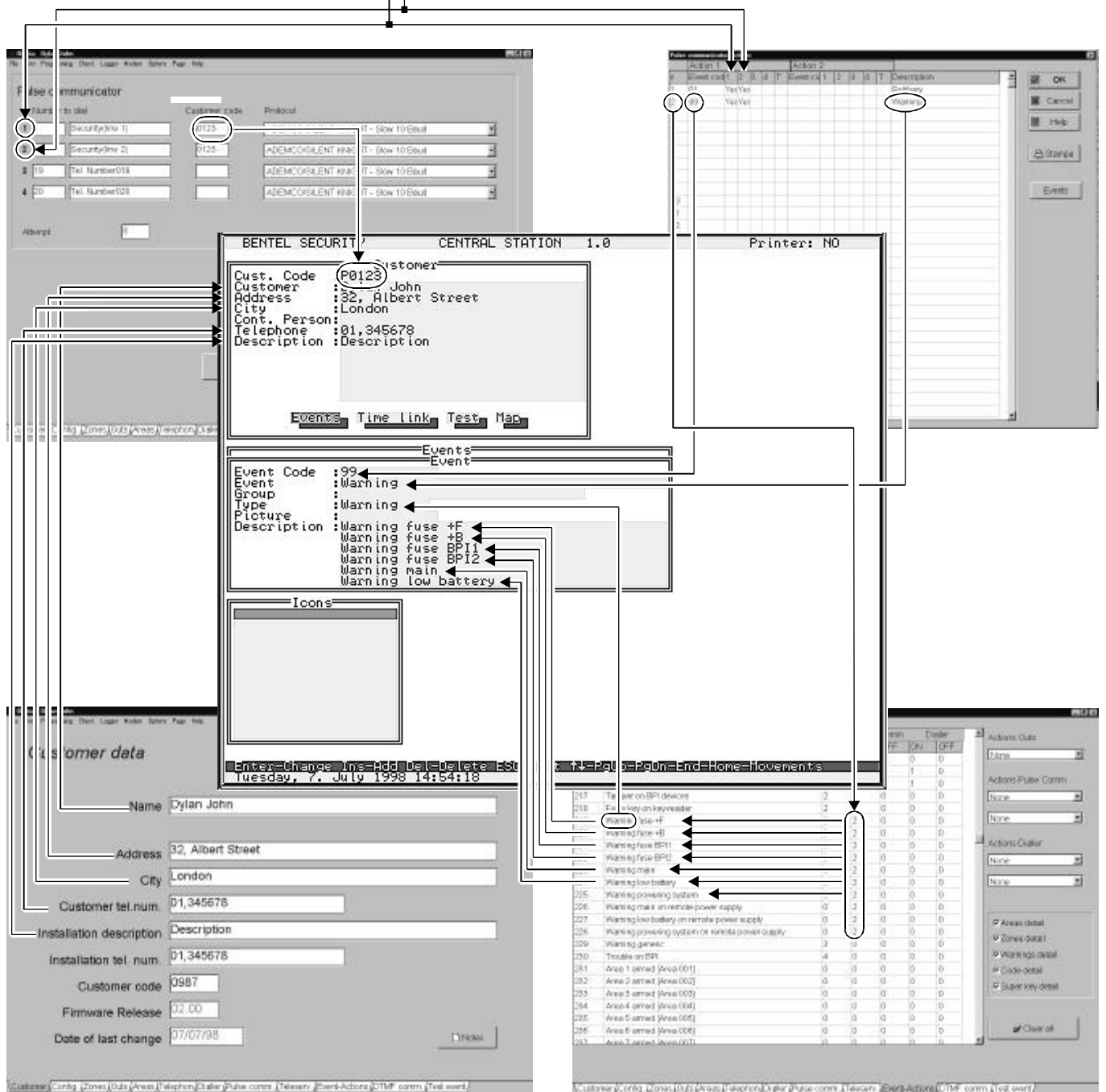
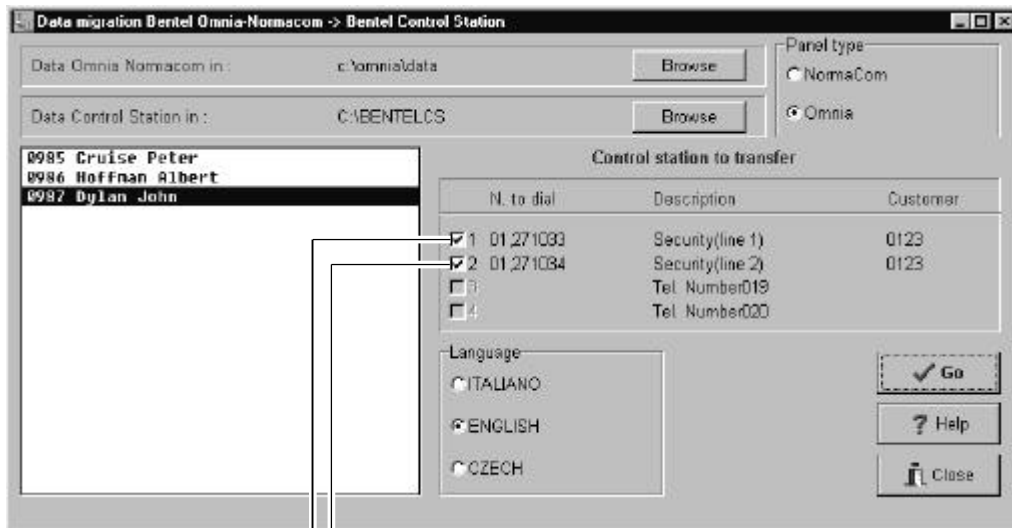
If the action of the Pulse communicator is activated by several events, the corresponding event Type will be determined by the first event on the list.



In the figure on the opposite page on and also in the figure on page 24, it is possible to see how the Import Data functions for Omnia and NormaCom customers respectively. The following table shows the imported field from Omnia and NormaCom for each Central Station field.

Central Station	Omnia	NormaCom
<b>Cust. Code</b>	The letter "P" followed by the <b>Customer code</b> assigned to the <b>Central station to transfer</b> .	The letter "P" followed by the <b>Customer code</b> assigned to the <b>Central station to transfer</b> .
<b>Customer</b>	<b>Name ...</b>	<b>Name ...</b>
<b>Address</b>	<b>Address ...</b>	<b>Address ...</b>
<b>City</b>	<b>City ...</b>	<b>City ...</b>
<b>Telephone</b>	<b>Customer tel.num. ...</b>	<b>Customer tel.num. ...</b>
<b>Description</b>	<b>Installation description ...</b>	<b>Installation description ...</b>
<b>Event Code</b>	The <b>Event code</b> of the Action that activates the call to the <b>Central station to transfer ...</b>	The <b>Code</b> of event that activates the call to the <b>Central station to transfer ...</b>
<b>Event</b>	The <b>Description</b> of the Action that activates the call to the <b>Central station to transfer ...</b>	The <b>Event description</b> of the event that activates the call to the <b>Central station to transfer ...</b>
<b>Type</b>	Depends on the type of event and on the fact that it activates the Pulse communicator, when it starts and when it ends. If the event activates the Pulse communicator when <b>ON</b> : Alarm and Tamper = Alarm; Trouble, Error and Failed = Warning; Test = Test; all other events = Messages. If the event activates the Pulse communicator when <b>OFF</b> : Arm = Link Off; all other events = Messages.	Depends on the event type: Alarm and Tamper = Alarm; Trouble, Error and Failed = Warning; System arming = Link On; System disarming = Link Off; Test = Test; All other events = Message.
<b>Description</b>	<b>Description</b> of the events that activate the <b>Action</b> of the Pulse Communicator that calls the <b>Central station to transfer</b> .	None!





**Figure 4** Working diagram for Import Data with Omnia customer.

